

What is claimed is:

5b  
A1

1. A paster roller comprising:

an air exhausting concave portion provided on an outer  
5 peripheral surface thereof for releasing an air between a first  
web and the outer peripheral surface,

when the outer peripheral surface pushes the first web  
to a second web in their overlapped state.

10 2. The paster roller as set forth in Claim 1, wherein  
the air exhausting concave portion comprises a spiral groove  
provided on the outer peripheral surface of the paster roller.

15 3. The paster roller as set forth in Claim 2, wherein  
the groove has a pitch in the range from 1 mm to 10 mm, and  
a depth on the range from 0.1 mm to 1 mm.

20 4. A paster roller comprising:  
chamfered portions formed at both end portions of an  
outer peripheral surface thereof.

25 5. The paster roller as set forth in Claim 4, wherein  
the chamfered portions contain portions of the outer peripheral  
surface of the paster roller that are opposed to portions in  
the range from 20 mm to 50 mm from both end portions of the

202220" 1586/007

web, which ~~contacts~~ to the outer peripheral surface of the  
paster roller, ~~in~~ the width direction.

6. The paster roller as set forth in Claim 4, wherein  
5 each of the chamfered portions includes a flat portion that  
is inclined at a predetermined inclination angle ranged from  
3° to 20° relative to the center axis of the paster roller  
in a sectional view.

10 7. The paster roller as set forth in Claim 4, further  
comprising:

a core bar formed a substantially cylindrical shape; and  
a coated elastic body provided on the outer peripheral  
surface of the core bar.

15 8. The paster roller as set forth in Claim 7, wherein  
the core bar is made of aluminum.

20 9. The paster roller as set forth in Claim 7, wherein  
the coated elastic body is made of resin, and the coated elastic  
body has hardness (HsA) in the range from 40 to 70.

25 10. A paster roller for pushing a first web and a second  
web in their overlapped state, wherein the paster roller is  
formed into a crown shape, and the paster roller has a

predetermined crown.

11. The paster roller as set forth in Claim 10, wherein  
the predetermined crown has a range from 0.5 mm to 2.5 mm per  
5 a width 1000 mm of the paster roller.

12. The paster roller as set forth in Claim 10, further  
comprising:

10 a core bar formed a substantially cylindrical shape; and  
a coated elastic body provided on the outer peripheral  
surface of the core bar for pushing portion of the paster  
roller.

13. The paster roller as set forth in Claim 12, wherein  
15 the core bar is made of aluminum, the coated elastic body is  
made of resin, and the coated elastic body has hardness (Has)  
in the range from 40 to 70.